



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street Phoenix, Arizona 85007
(602) 771-2300 www.azdeq.gov



Small MS4 Annual Report

ID #: AZSM65730

MS4 Name: CITY OF CHANDLER MS4

Reporting Period: 01-Jul-2019 - 30-Jun-2020

Main Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
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Annual Report Summary

Company Information

Name : CITY OF CHANDLER-STORMWATER PROGRAM
PO BOX 4008
CHANDLER
AZ , 85244

Question: During this reporting period, was additional land annexed into the regulated MS4 area?

Answer: Yes

Total Area Annexed into the MS4 Since the Last Annual Report: 16.53 acres

Were Best Management Practices (BMPs) fully implemented in the annexed area? Yes

Mapping of storm sewer system, response to IDDE related concerns, enforcement of City code and ordinances, inspection and maintenance of drainage structures, post construction inspections and inspections of construction activity.

Question: Is stormwater sewer mapping 100 percent complete?

Answer: Yes

Provide the description of the measurable goal:

Public and private storm sewer structures will be added to the City's GIS system following final inspections and the submittal of as-built information has been confirmed. Additional features may be added and/or revised when necessary. The number of structures added will be reported annually.

Question: Is outfall mapping 100 percent complete?

Answer: Yes

Number of outfalls mapped: 1

Provide the description of the measurable goal:

Mapping is current.

Question: Is identification of receiving waters information 100 percent complete?

Answer: Yes

Provide the description of the measurable goal:

Mapping is completed. The City will continue to add storm water related structures to the GIS map during the next reporting period.

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Question: Has an Illicit Discharge Detection and Elimination (IDDE) enforcement authority or other regulatory mechanism been established?

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
City Manager/ Designee (Chandler Code 1-8.9) Ordinance 3976	30-5 Prohibition against creating a public nuisance and, 45-8 prohibition on non-stormwater discharges	12/13/2007	
City Manager /Designee	Ordinance 3976, City Code Chapter 45-8	12/13/2007	

Question: Has a Construction Site Stormwater Runoff enforcement authority or other regulatory mechanism been established?

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
Ordinance 3976 - Adopts City of Chandler Manual on Stormwater Quality Protection. 45-8 Prohibition on non- stormwater discharges.	1-8 Code enforcement. City Manager/ Designee (Chandler Code 1-8.9) 30-5 Prohibition against creating a public nuisance. 30-6.5 Right of entry.	12/13/2007	

Question: Has a Post-Construction Stormwater Management enforcement authority or other regulatory mechanism been established?

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
City of Chandler Manual on Stormwater Quality Protection	Ordinance 3976	12/13/2007	

Question: For each BMP in the Minimum Control Measure 1: Public Education and Outreach, what was completed during this reporting period?

Answer:

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BMP Name: Stormwater Webpage

Category: Webpage

Personnel Position/Department: Stormwater Program Staff / Management Services and/or Public Information Officer / Communications and Public Affairs Staff

BMP Description :

The City of Chandler will maintain a stormwater webpage to promote education and communication on stormwater related topics.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public ***Frequency:*** 100 Percent per year

Milestone Description:

The targeted audience is the public. The information will be tracked and reviewed annually. Updates will be made as necessary. Webpage activity will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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Stormwater Management Program (PDF)

Downloads: 7

Stormwater Brochure (PDF) Downloads: 9

Entire UDM Site (Pages 1052 - 1063):

(UDM Home page (Page 1052):

Visits: 6,217

Page Views: 11,950

Stormwater Program | City of Chandler:

Visits: 396

Page Views: 559

Stormwater Pollution Prevention | City of Chandler

Visits :80

Page Views: 153

Stormwater Video was viewed 30 times during the fiscal year 2019-20

2019 Chandler Stormwater Program Annual Report viewed 2 times during fiscal year 2019-20 Program

Video 30 views (2019-20)

Annual Report Views

2019 Chandler Stormwater Program Annual Report - 2

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to maintain a Stormwater Program webpage and report webpage analytics during the next reporting period.

BMP Name: Educational Materials

Category: Educational Materials

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will promote an education program that increases knowledge on stormwater pollution prevention.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

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Targeted End Date: 09/29/2021

Targeted Audience: Residents **Frequency:** 1 Quarterly

Milestone Description:

The City will develop and distribute educational materials to promote increased stormwater awareness including newsletters, brochures, a stormwater webpage, storm drain inlet markers and promotional items on an annual basis. Typical topics may include residential pollution prevention, water conservation, leaking vehicles, pool drainage, household hazardous waste, pet waste, trash management, illegal dumping, restaurants, HOAs, recycling program, webpages and newsletter articles. Materials may be displayed or distributed at City locations or events. Target audience is primarily the public. Additional target audiences may be evaluated when necessary. Materials will be distributed, evaluated, tracked and modified when necessary. An example of materials distributed will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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The City ordered and purchased \$8,369.46 of promotional items totaling 5,990 items available for distribution.

Number of educational materials distributed at six public education and outreach events: 6,525 Educational items distributed.

The City ordered 1,000 customized stormwater related coloring books for children at a cost of \$1,750. A new utility bill insert was designed and printed for \$ 1,385, 75,000 inserts were printed. 75,000 were printed and distributed.

14 Storm drain inlet markers were installed on structures during replacement of scuppers and/or catch basins by City staff and 22 inlet markers were installed by contractors during new construction.

City Scope Newsletters -12 monthly CityScope newsletters distributed to staff and residents. 67,237 were distributed each month.

2019/20 Drinking water quality consumer confidence report with stormwater quality information was distributed via Instagram, Facebook, Twitter and LinkedIn.

90 Notice to Comply Forms were distributed during IDDE related investigations.

19 Enforcement letters were distributed during IDDE related Investigations.

550 Only Rain in the Storm Drain (swimming pool) brochures distributed.

553 STORM DRAINS: Do you know where stormwater pollutants end up? (pollution prevention) brochures distributed.

Brochures were distributed during outreach events and IDDE related investigations.

87 copies of City code handouts were distributed during IDDE related Investigations.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to maintain an educational program that incorporates distribution of promotional items and other handouts, including, but not limited to brochures, social media messages and other informational materials throughout the next reporting period.

BMP Name: Educational Events

Category: Special Event

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

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The City of Chandler will participate in educational events that provide opportunities to increase knowledge on stormwater related topics.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: Residents /Visitors **Frequency:** 6 Annually

Milestone Description:

The City will participate in educational events, community events, festivals, workshops and open houses. The educational events are tracked and reviewed annually. Updates will be made as necessary. Attendance at events will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Stormwater Program staff participated in 6 educational events prior to the onset of the Covid-19 pandemic.

9/10/2019: Mayor's HOA Roundtable at Chandler-Gilbert Community College: Estimated attendance: 160

10/19/2019: Mayor's Day of Play at Tumbleweed Park: Estimated Attendance: 4,200

11/12/2019: Mayor on the Move at Kyrene de la Paloma Elementary School: Estimated Attendance: 50

11/16/2019: Woofstock 2019 at: Tumbleweed Park: Estimated Attendance: 4,700

2/22/2020: Chandler Innovation Fair at Hamilton High School: Estimated Attendance: 10,000

4/27 to 5/3/2020: Virtual Transit Bike Ride: Estimated Attendance: 279

6,525 Educational items distributed during FY 19/20

16 different promotional items and brochures and were distributed during the events.

Five City sponsored events were canceled during FY 19/20 due to Covid-19.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City maintains a robust public education and outreach program that encourages both engagement and public education. City staff will continue to participate in public education and outreach events throughout the year.

BMP Name: Regional Coordination

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Category: Meeting

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff
/ Management Services

BMP Description :

The City of Chandler will participate in regional coordination efforts promoting greater public education and outreach.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: Residents **Frequency:** 6 Annually

Milestone Description:

The City will participate in Stormwater Outreach for Regional Municipalities (STORM) and/or other professional organizations (i.e. AZ Water; MAG). Participation in programs will be tracked and evaluated annually for effectiveness and modified as necessary.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

City staff participated in 6 STORM meetings. City staff served on the STORM Board during the reporting period. The City membership fee is \$5,000 per year. Members meet bi-monthly. (STORM) provides a platform for collaborative effort by municipal partners to perform educational outreach to their residents with the message of pollution prevention to help keep our waters clean. In Fiscal Year 2020, STORM members completed outreach via web, print, traditional and social media, and public events. The unprecedented events of 2020 presented STORM members with some exceptional challenges, but nonetheless, the coordination among the 23 member cities, towns, and non-traditional municipal separate storm sewer system owners or affiliates, resulted in the following highlights: Social Media and ABC15 Media Campaign – Reached a total 3,317,647 ads (1,300,000) and social media post (2,017,647) views with 27,313 clicks (engagements) including 126 stormwater related social media posts. Website – Received a total of 6,987 webpage views by 3,321 users during 3,867 sessions. A session is defined as a period of time a user is engaged in the website and the average session was 1 minute and 31 seconds. Social Media, specifically when partnering with ABC15, campaigns were very successful. STORM contracted with ABC15, which ran regular banner ads, Facebook ads, Facebook posts. Total expenditures for STORM was \$40,951.72.

Provide a summary of activities planned for next reporting period

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BMP does not apply for next reporting period:

No

Milestone Description:

The City will participate in Stormwater Outreach for Regional Municipalities (STORM) meetings and/or other professional organizations during the next reporting period.

Question: Minimum Control Measure 1: Public Education and Outreach, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure1.

The City maintains a substantial public education and outreach program that includes a combination of activities that encourages public engagement and education by participating in both City sponsored and private education and outreach events, with the goal of increasing knowledge and modifying behavior to reduce pollutants in stormwater.

We are looking forward to FY 20/21 and getting back to normal conditions that allows us to participate in more education and outreach events and reaching a larger audience in the community.

Question: For each BMP in the Minimum Control Measure 2: Public Involvement and Participation, what was completed during this reporting period?

Answer:

BMP Name: "Regional Coordination"

Category: Public Participation

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will participate in regional coordination efforts promoting greater public involvement and participation.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 6 Annually

Milestone Description:

The City will participate in Stormwater Outreach for Regional Municipalities (STORM) and/or other professional organizations (i.e. AZ Water; MAG). Participation in programs will be tracked and evaluated annually for effectiveness and modified as necessary. Participation will be reported annually.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

City staff participated in 6 AZ STORM meetings. The City membership fee for STORM is \$5,000 per year.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to participate in AZ STORM meetings during the next reporting period.

BMP Name: Public Involvement and Participation

Category: Public Involvement

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will promote public involvement and participation for the public.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 6 Annually

Milestone Description:

The City will promote public involvement and participation through a variety of means which may include but not be limited to a community hotline, contact forms, social media, webpages, public meetings, City events/festivals, contests and training sessions. The City will follow public notice requirements for public meetings and track participation when possible. Public involvement and participation will be tracked and evaluated annually for effectiveness and modified as necessary. Activities will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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Stormwater Program staff participated in 6 public education and outreach events prior to the Covid-19 pandemic

Event Name: Mayor's HOA Roundtable - Location: Chandler-Gilbert Community College Student Center : 9/10/19

Event Name: Mayor's Day of Play - Location: Tumbleweed Park: 10/19/19

Event Name: Mayor on the move - Location: Kyrene de la Paloma Elementary School

Event Name: Chandler Innovation Fair - Location Hamilton High School

Event Name: Woofstock - Location - Tumbleweed Park

Virtual Bike Event 4/27 to 5/3

6,525 Educational items distributed during FY 19/20

Estimated Attendance 19,389 at the events, with direct contact of 1,526 attendees

Received 81 calls on the hotline

2019/20 Water Quality Report

<https://www.chandleraz.gov/residents/water/water-quality>

<https://www.chandleraz.gov/residents/water/stormwater>

FY19-20 pageviews: 63

Posted: June 25

Instagram: Reach: 1,972 Impressions: 2,170

Engagement: 29 (likes, comments, shares, saves, profile visits/clicks)

Facebook: Reach: 1,910

Engagement: 22 (clicks, reactions, comments, shares)

Twitter: Impressions: 2,224

Engagements: 37

Posted: July 9

Instagram: Reach: 2,225, Impressions: 2,397, Engagement: 48 (likes, comments, shares, saves, profile visits/clicks)

Facebook:

Reach: 2,161

Engagement: 55 (clicks, reactions, comments, shares)

Twitter Impressions: 2,142

Engagements: 29

Public Comment Feedback for SWMP and Annual Reports 3 responses

Purchased \$ 8,277.76 worth of promotional items during FY 19/20.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

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The City will continue to participate in public involvement and participation opportunities during the next reporting period.

BMP Name: Annual SWMP Review

Category: Public Participation

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services and/or Public Information Officer / CAPA

BMP Description :

The City of Chandler will promote public involvement and participation in an annual review of the City's Stormwater Management Plan (SWMP).

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The SWMP and Annual Reports will be posted on the City's Stormwater Program website year round. The City will promote a 30 day timeframe for the public to review the plan on an annual basis. The method for review will be evaluated for effectiveness and modified as necessary. Participation will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

A 30 day Public Notice was posted on social media via Facebook, Twitter and Nextdoor. Public Review of SWMP and Annual Reports - Three responses were received.

FY19/20 Stormwater Feedback (Public Comment Period for review of SWMP and Annual Reports
<https://www.chandleraz.gov/residents/water/stormwater>
pageviews: 63

Instagram

Reach: 1,972

Impressions: 2,170

Engagement: 29 (likes, comments, shares, saves, profile visits/clicks)

Facebook

Reach: 1,910

Engagement: 22 (clicks, reactions, comments, shares, saves)

Twitter

Impressions: 2,224

Engagements: 37

Posted: July 9

Instagram

Reach: 2,225

Impressions: 2,397

Engagement: 48 (likes, comments, shares, saves, profile visits/clicks)

Facebook

Reach: 2,161

Engagement: 55 (clicks, reactions, comments, shares)

Twitter

Impressions: 2,142

Engagements: 29

Posted: July 17

Instagram

Reach: 2,418

Impressions: 2,660

Engagement: 46 (likes, comments, shares, saves, profile visits/clicks)

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Facebook

Reach: 1,801

Engagement: 20 (clicks, reactions, comments, shares)

Twitter

Impressions: 1,416

Engagements: 12

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to post the SWMP and Annual Reports and promote a 30 day timeframe for the public to annually review the SWMP and Annual Reports.

Question: For Minimum Control Measure 2: Public Involvement and Participation, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure2.

The City will continue to promote public involvement and participation through a variety of means which may include but not be limited to a hotline where the public can report issues and ask questions, report illicit discharges, etc. Examples of public involvement and participation may also include social media, public comment opportunities, City events and/or training sessions. We are looking forward to reaching and engaging more of the community, provided that the Covid-19 pandemic provides for such.

Question: For each BMP in the Minimum Control Measure 3: Illicit Discharge Detection and Elimination Program, what was completed during this reporting period?

Answer:

BMP Name: Visual Dry Weather Outfall Monitoring

Category: Dry Weather Screening

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will conduct visual dry weather outfall monitoring to ensure there are no illicit discharges, ineffective BMPs, or maintenance concerns.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

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Frequency: 4 Annually

Milestone Description:

Inspections of City structures identified as dry weather screening points will occur twice per year. The location and/or frequency of inspections may be modified as determined by conditions in the field on an annual basis. Locations of structures inspected will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The City conducted dry weather screening on the following dates.

9/17/2019

1/13/2020

5/12/2020

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct dry weather screening, wet weather visual monitoring, IDDE response, storm sewer mapping and staff training during the next reporting period..

BMP Name: Legal Authority Review

Category: Legal Review

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services and/or Law Department

BMP Description :

The City of Chandler will review and update procedures when necessary to ensure they are compliant with the new permit.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The City will review City codes and other regulations for compliance with the new permit and update if necessary.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 09/27/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

In October 2019 a draft version of updated code was prepared by the City Attorney to update and add new sections to the stormwater code regarding enforcement, nuisances, violations and penalties. Once this draft version has been reviewed by Staff and City Management an Ordinance will be prepared for submittal to Council for approval. It is anticipated that Council approval will occur in late 2020 or early 2021.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to maintain a solid IDDE Program during the next reporting period.

BMP Name: Illicit Discharge Response

Category: Written IDDE Procedures

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

To detect and eliminate illicit discharges and connections to the City's MS4.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 100 Percent per year

Milestone Description:

Illicit discharges will be responded to as soon as practicable. The majority of responses will occur on the same day as reported if possible. The number of calls associated with the response of an illicit discharge will be tabulated and reported within the annual report.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Illicit discharges will be responded to as soon as practicable. The majority of responses will occur on the same day as reported if possible. The number of calls associated with the response of an illicit discharge will be tabulated and reported within the annual report.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to respond to IDDE related calls and maintain applicable statistics to evaluate the program during the next reporting period.

BMP Name: Storm Sewer System Mapping

Category: GIS System

Personnel Position/Department: GIS Services Staff / Development Services

BMP Description :

The City of Chandler's GIS system will incorporate modifications to the storm sewer system map as new public and private structures are added into the City's system.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 6 Annually

Milestone Description:

GIS features will be added into Chandler's existing system following final inspections and submittal of as-built information has been confirmed. Additional features may be added and/or revised when necessary. The number of structures added will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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The following structures were added to the GIS system:

	COC	Other	SUB TOTAL
CATCH BASINS	37	239	276
SCUPPERS	43	13	56
DRYWELLS	22	139	161
MANHOLES	16	45	61
OUTLETS	15	54	69
INTERCEPTORS	22	139	161
RETENTION BASINS	10	2	12
BUBBLER BOXES	3	27	30
EQUALIZER PIPES	0	11	11
SPILLWAYS	13	14	27
INLETS	2	25	27
CLEANOUTS	6	3	9
STORM WATER PIPE SEGMENTS	152	195	347
UNDERGROUND DETENTION MANHOLES	0	122	122
TOTALS	341	1,028	1,369

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to collect and add new structures to the GIS system during the next reporting period.

BMP Name: Illicit Discharge Response

Category: Implement IDDE Program

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will investigate illicit discharges and attempt to identify their source.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 100 Percent per year

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Milestone Description:

The City will investigate illicit discharges immediately as noted by City staff, the general public, or complaints received. Investigations will follow SOPs outlined in the IDDE program, and will be resolved as quickly as possible. The number of incidents responded to will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

City staff responded to 107 IDDE related calls during the reporting period.

Following is a synopsis by total number of calls by pollutant source and % of calls per pollutant source.

Pool water (54) , Sediment (17), DE (14), Oil (8), Irrigation (2), Dirty water (2), Carpet Cleaning (2), Concrete wash-out (1), Rust (1), Algae (1), Trash (1), Grey residue (1), Fuel (1), Coolant (1), Sand (1)

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to investigate illicit discharges during the next reporting period.

BMP Name: IDDE Staff Training

Category: Staff Training

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will provide training for City staff on the illicit discharge detection and elimination program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 20 Percent per year

Milestone Description:

Appropriate City staff will be trained on the IDDE program. The number of employees trained will be reported annually.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

IDDE training was provided to 239 staff.

10/23/2019: IDDE and Pollution Prevention (37)

2/6/2020 : IDDE Training for Environmental Management Staff (4)

May 2020: IDDE and Pollution Prevention training offered during annual HAZWOPER 8-Hour Refresher class (148)

Throughout the year: On-Demand via online learning management system (50 from 10 different divisions)

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to provide staff with opportunities to participate and complete IDDE and pollution prevention related training.

BMP Name: Visual Stormwater Discharge Monitoring

Category: Wet Weather Monitoring

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City will monitor a minimum of 5 representative outfalls two times during each wet season. Selected outfalls will be evaluated annually and modified if necessary. Locations of structures inspected will be reported annually.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 4 Annually

Milestone Description:

The City will monitor a minimum of 5 representative outfalls two times during each wet season. Selected outfalls will be evaluated annually and modified if necessary. Locations of structures inspected will be reported annually.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Wet weather monitoring was conducted on four different day's during the reporting period.

7/24/2019

8/29/2019

11/20 2019

11/21/2019

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct wet weather visual monitoring during the next reporting period.

Question: For Minimum Control Measure 3: Illicit Discharge Detection and Elimination Program, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure3.

The City will continue to respond to illicit discharge related calls, conduct visual monitoring, update the GIS database and conduct staff training during the next reporting period.

Question: Were staff trained in IDDE Awareness and Response?

Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	06/10/2020	IDDE Awareness	50	One time event
2	02/06/2020	IDDE Awareness	4	One time event
3	10/23/2019	IDDE	37	One time event
4	03/12/2020	IDDE Awareness	148	One time event

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Question: Minimum Control Measure 1: Illicit Discharge Detection and Elimination Program, Provide the details of the Illicit Discharge Detection and Elimination (IDDE) incidents that occurred during this reporting period.

Answer:

Number of IDDE incidents reported in this reporting period: 107

Number of IDDE incidents responded to in this reporting period: 107

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	107	107	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	107	107	0

Question: Were there any unpermitted discharges to the MS4?

Answer: No

Question: Were any samples collected to characterize illicit discharge(s) in this reporting period?

Answer: No

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Number of Illicit Discharges Sampled are:

During the reporting period, the City of Chandler did not collect samples to characterize illicit discharges. The discharges observed during the reporting period were not of sufficient quantity to allow for sample collection or the material discharged was known and did not require sampling to characterize. However, should a discharge be an unknown substance or hazardous in nature, it will be addressed by cleanup and investigation to ensure that human health and the environment (including the MS4 and any waters) have not or will not be impacted.

Question: For each BMP in the Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, what was completed during this reporting period?

Answer:

BMP Name: Erosion and Sediment Control Plan

Category: Erosion/ Sediment Control

Personnel Position/Department: Development Services Staff / Development Services

BMP Description :

Require the submittal of an Erosion and Sediment Control Plan for development projects that exceed one acre or greater in disturbed area

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 75 Percent per year

Milestone Description:

Plans will be reviewed throughout the permit term.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

67 Sediment and Erosion Control Plans were reviewed.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

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Milestone Description:

The City will continue to require submittal of Sediment and Erosion Control Plans.

BMP Name: Construction Plan Review

Category: Site Plan Review

Personnel Position/Department: Development Services Staff / Development Services

BMP Description :

The City of Chandler will maintain a construction plan review program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 75 Percent per year

Milestone Description:

The City will perform construction plan reviews. Procedures will be reviewed annually and updated as necessary.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

84 Site Plans were received and reviewed.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to review site plans during the next reporting period.

BMP Name: Inspections

Category: Inspections

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will maintain a construction inspection program.

Is another government entity responsible for this BMP ? No

Measurable Goals:**Main Office**

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Start Date: 09/30/2016
Targeted End Date: 09/29/2021
Frequency: 75 Percent per year

Milestone Description:

The City will perform construction inspections. Procedures will be reviewed annually and updated as necessary. The number of inspections conducted will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Staff conducted 151 inspections of 70 location's.
Including 18 corrective actions, 17 Re-inspections and responded to 7 complaints.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct inspections of construction sites during the next reporting period.

BMP Name: Educational Materials for Construction Activity Stormwater Runoff Control

Category: Construction Operator Training

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will review and distribute educational materials for construction activity stormwater runoff control.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016
Targeted End Date: 09/29/2021
Frequency: 1 Annually

Milestone Description:

The City will review the Construction Activity Stormwater Runoff Control program educational materials and/or brochures annually and update them as necessary.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

City staff provided 24 brochures to contractors during field inspections.

We experienced a decrease in on-site inspections due to Covid-19

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to provide educational materials to construction sites.

BMP Name: Inventory

Category: Inventory

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services and/or Development Services

BMP Description :

The City of Chandler will maintain an inventory of construction sites.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The City will maintain an inventory of construction sites. Procedures will be reviewed annually and updated as necessary.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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The City maintains a detailed log of all constructions sites that have been inspected. The log includes, Site name, Owner/Operator, Project Location, AZCON#, Size of project, Inspection date, Inspected by, Inspection Type, Report?, Discharge? Corrective actions, Re-inspection date, Number of inspections, Goal, Actual, Brochures, and Active.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to maintain a log of construction sites.

BMP Name: Construction Activity Stormwater Runoff Control

Category: Control Wastes

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

Requirements to control wastes such as discarded building materials, paints, fertilizers, concrete wash out, chemicals, litter, and sanitary wastes.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 75 Percent per year

Milestone Description:

The goal of the program is to prevent pollution of stormwater in the MS4 from construction site activities and wastes.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Staff conducted 151 inspections of 70 location's.

Including 18 corrective actions, 17 Re-inspections and responded to 7 complaints. Frequency of 2.16.

Due to Covid-19, City staff conducted more off-site inspections.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

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The City will continue to conduct construction site inspections during the next reporting period.

Question: For Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure4.

The City will continue to maintain a solid construction activity stormwater runoff control program that incorporates a combination of conducting site inspections, maintaining an inventory of site locations, reviewing erosion and sediment control plans, distributing educational materials, plan review and participate in a training class if possible. We look forward to being involved in conducting more face to face on-site inspections as compared to off-site inspections during FY 19/20.

Question: Were any construction activity operator training events conducted?

Answer:

No

Why weren't training events conducted?

No construction activity operator training events were conducted due to Covid-19.

Question: Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, Provide the details of the construction activity complaints and inspections that were conducted during this reporting period.

Answer:

<i>Number of active construction sites in this reporting period:</i>	70
<i>Has an inspection frequency been developed and implemented?</i>	YES
<i>Number of active construction sites inspected at least weekly:</i>	4
<i>Number of active construction sites inspected at least one time every six months:</i>	35
<i>Number of active construction sites inspected at least monthly:</i>	5
<i>Number of active construction sites inspected at least annually:</i>	70
<i>Number of construction activity complaints that were resolved or responded to:</i>	7
<i>Number of active construction sites not inspected:</i>	0
<i>Number of construction activity complaints received in this reporting period:</i>	7
<i>Number of active construction sites that required re-inspections in this reporting period:</i>	17

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Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	18	18	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	18	18	0

Question: For each BMP in the Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, what was completed during this reporting period?

Answer:

BMP Name: Post-Construction Educational Materials

Category: Educational Materials

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

The City of will review and update educational materials for post construction management.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The City will review educational materials for post construction management. Educational materials will be reviewed and updated as necessary.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Stormwater program staff developed a PowerPoint presentation called "Maintaining Stormwater Systems: Inventory, Inspection, Documentation & Compliance in February 2020. The presentation was presented at a joint APWA/AZ Water Stormwater Committee workshop

Drainage Policies and Standards Technical Drainage Manual #3

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will create a new Post - Construction or property management deliverable during the next reporting period.

BMP Name: Operations & Maintenance

Category: O&M Procedures

Personnel Position/Department: Stormwater Program Staff / Management Services and/or Development Services

BMP Description :

The City will conduct post construction inspections during final inspections and/or 1-year warranty inspections and/or proactive inspections or if field observations or complaints are received.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 25 Percent per year

Milestone Description:

The City will document and notify business's, HOA's and other responsible parties upon observations of post construction issues.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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City staff conducted proactive inspections of 8,030 City owned structures and conducted maintenance of 2,341 structures.

The City identified and addressed 8 privately owned post- construction issues during the reporting period.

- Abrams Realty
- Commanche Heights HOA
- Liv avenida Apartments
- Paseo Place
- Brittany HOA
- Messina HOA
- ArmorWorks
- Hearthstone Unit 4 HOA

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct proactive inspections, conduct maintenance of City structures that require maintenance, and work with residential and commercial post-construction issues.

BMP Name: Inventory GIS System

Category: Inventory

Personnel Position/Department: GIS Services Staff / Development Services

BMP Description :

The City of Chandler will maintain an up to date inventory of post-construction structural control measures.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 75 Percent per year

Milestone Description:

The City will maintain an inventory of post-construction structural control measures in the GIS system. Structures will be added into Chandler's existing system following final inspections and submittal of as-built information has been confirmed. Additional features may be added and/or revised when necessary. The number of structures added will be reported annually.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

ASSET	COC	OTHER	SUB	TOTAL
CATCH BASINS		37	239	276
SCUPPERS	43	13	56	
DRYWELLS	22	139	161	
MANHOLES	16	45	61	
UNDERGROUND DETENTION MANHOLES		0	122	122
OUTLETS	15	54	69	
INTERCEPTORS	22	139	161	
RETENTION BASINS		10	2	12
BUBBLER BOXES	3	27	30	
EQUALIZER PIPES	0	11	11	
SPILLWAYS	13	14	27	
INLETS	2	25	27	
CLEANOUTS	6	3	9	
STORM WATER PIPE SEGMENTS	152	195	347	
TOTALS	341	1028	1369	

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to maintain an inventory of post-construction control measures.

BMP Name: Final Inspections

Category: Structural/Non-Structural BMP

Personnel Position/Department: Stormwater Program Staff / Management Services and/or Development Services

BMP Description :

The City of Chandler will implement an inspection program that focuses on City storm sewer system structures.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 75 Percent per year

Milestone Description:

The City will conduct final, 1 year warranty and proactive inspections to identify potential concerns or deficiencies. Private structures found to be in need of maintenance or in disrepair will be addressed with the property owner. Inspection process and procedures will be reviewed and updated as necessary. The type and number of structures inspected will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

City staff conducted proactive inspections of 8,030 structures and conducted maintenance of 2,341 structures.

Conducted 11 final inspections

- Brighton Place
- Chandler Viridian
- CUSD Transportation Facility
- Health and Fitness
- Horizon Model Phase
- Marriott
- Pecan Trace
- Pinelake Condos
- Riata
- Skyline School
- Sonora Crossings Phase 1

Final Inspections = 67 (Reported by Development Services)

One Year Warranty Inspections = 27 (Reported by Development Services)

Resolved 8 post construction related issues during the reporting period.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct final inspections during the next reporting period.

BMP Name: Site Plan Review

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Category: Site Plan Reviews

Personnel Position/Department: Development Services Staff / Development Services

BMP Description :

The City of Chandler will review civil plan submittals to ensure compliance with City standards and requirements.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 75 Percent per year

Milestone Description:

The City will perform a technical evaluation and review of building and site plans and design and construction documents to ensure compliance with City development ordinances and International Construction Codes, including but not limited to, architectural, structural, electrical, plumbing, mechanical, fire safety, health, and other applicable codes.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

84 Site plans were reviewed during the reporting period.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to require and review site plan submittal's during the next reporting period.

Question: For Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure5.

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Staff conducted proactive inspections of 8,030 storm drain structures, maintained 2,341 storm drain structures, conducted 11 final and/or one year inspections and worked with property managers to correct 8 post-construction related issues. We anticipate developing a new presentation and/or a new deliverable (handout) to assist property managers to encourage them to plan and budget for inspections and maintenance of private properties.

Question: Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, Provide the details of the Post-Construction Stormwater controls used during this reporting period

Answer:

Number of sites that required Post-Construction Stormwater controls in this reporting period: 8

Number of Post-Construction Stormwater controls inspected in this reporting period: 8030

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	8	8	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	8	8	0

Question: For each BMP in the Minimum Control Measure 6: Pollution Prevention and Good Housekeeping, what was completed during this reporting period?

Answer:

BMP Name: Training

Category: Training

Facility Information:

Household Hazardous Waste Collection Facility

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Personnel Position/Department: Stormwater Program Staff / and/or Environmental Management Staff / Management Services

BMP Description :

The City of Chandler will provide training on Pollution Prevention and Good Housekeeping Techniques.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Appropriate City staff will participate in stormwater training focused on Pollution Prevention and Good Housekeeping Practices. Participation will be tracked and evaluated for effectiveness.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.
Pollution Prevention and Good Housekeeping training was conducted with 185 completing the training.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to provide training opportunities to staff.

BMP Name: Inventory and Prioritization of Municipal Operations and Site Inspections

Category: Inventory

Facility Information:

Household Hazardous Waste Collection Facility

Armstrong Yard

Personnel Position/Department: Environmental Management Staff / Management Services

BMP Description :

An inventory of city owned facilities will be collected and ranked according to potential environmental hazard or risk.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

A list of City owned facilities will be established and an annual prioritized inspection workplan will be developed. The inventories will identify activities performed at each facility, chemicals stored, and inspection guidelines based on each type of facility. Facilities inspected will be tracked and reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

51 City facilities were inspected during the reporting period.

1 catch basin insert was replaced in the Armstrong yard.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct inspections of City facilities during the next reporting period.

BMP Name: Site Inspections

Category: Inspections

Facility Information:

Household Hazardous Waste Collection Facility

Armstrong Yard

Personnel Position/Department: Stormwater Program Staff and/or Environmental Management Staff / Management Services

BMP Description :

An inventory of city owned facilities will be collected and ranked according to potential environmental hazard or risk.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

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Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

A list of City owned facilities will be established and an annual prioritized inspection work plan will be developed. The inventories will identify activities performed at each facility, chemicals stored, and inspection guidelines based on each type of facility. Facilities inspected will be tracked and reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

51 City Facilities were inspected the reporting period.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct inspections of City facility's during the next reporting period.

BMP Name: Operations and Maintenance of Storm Sewer System

Category: O&M Procedures

Facility Information:

Household Hazardous Waste Collection Facility

Armstrong Yard

Personnel Position/Department: Stormwater Program Staff / Management Services and/or
Stormwater Maintenance Staff / Public Works & Utilities

BMP Description :

The City of Chandler will conduct maintenance of the City storm sewer system.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Daily

Main Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Milestone Description:

The City storm sewer system structures identified during proactive inspections will be maintained and work orders will be generated and tracked when maintenance needs are identified. The number of structures maintained will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

8,030 storm sewer structures were inspected during the reporting period.

2,341 storm sewer structures were maintained during the reporting period.

Recycling, Solid Waste, CC/HHW were inspected monthly on all areas of operation for the facility, averaging approximately 48 inspections annually.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct inspections of storm sewer structures and conduct maintenance during the next reporting period.

BMP Name: Street Sweeping

Category: Maintenance Schedule

Facility Information:

Household Hazardous Waste Collection Facility

Armstrong Yard

Personnel Position/Department: Public Works & Utilities Staff / Public Works & Utilities

BMP Description :

The City will maintain a street sweeping program

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

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The City will track street sweeping metrics including lane miles swept and amount of materials removed. The amount of material removed and lane miles swept will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

70,229 lane miles were swept during the reporting period.

1, 841 tons of debris was removed from paved areas.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to conduct street sweeping activities on arterial and collector streets and the Armstrong Yard during the next reporting period.

BMP Name: Implement Controls

Category: Maintenance Activities

Facility Information:

Household Hazardous Waste Collection Facility

Armstrong Yard

Personnel Position/Department: Stormwater Program Staff / Management Services and/or
Stormwater Maintenance Staff and/or Streets Division Staff /
Public Works & Utilities

BMP Description :

The City of Chandler will contain loose bulk materials such as dirt, street sweeping debris and other materials in separate three sided bins.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Weekly

Milestone Description:

The City will maintain bulk material bins and evaluate the effectiveness and need for additional bins and modify as necessary.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The City will contain loose bulk materials such as dirt, street sweeping debris and other materials in separate three sided bins.

Additionally, the Streets wash bay (Armstrong Way) maintained by a contractor 49 times.

Streets staff inspected the wash bay 51 times during the year and conducted maintenance of the wash bay 3 times with vactor truck.

Fleet Services wash bay was maintained one time by a contractor.

Solid waste /recycling/ HHW/Monthly inspections of all areas of the facility were inspected monthly.

Replaced one catch basin insert at Armstrong yard.

Staff responded to 6 spills/cleanups.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The City will continue to maintain bulk material bins and conduct inspections and maintenance during the next reporting period.

Question: For Minimum Control Measure 6: Pollution Prevention and Good Housekeeping, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure6.

The City conducted street sweeping activities that resulted in removing 1,841 tons of material by sweeping 70,229 miles, 185 City staff completed pollution prevention training, one storm drain inlet insert was replaced, 8,030 storm sewer structures were inspected during the reporting period. 2,341 storm sewer structures were maintained during the reporting period. The Armstrong yard wash bay will be maintained and inspections of the solid waste, recycling and HHW facility are conducted throughout the year.

Question: Was staff training conducted?

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Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	10/23/2019	Pollution Prevention	37	One time event
2	05/20/2020	Pollution Prevention	148	One time event
3	07/02/2019	Pollution Prevention	10	One time event

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